

# BEAVER FIVE DEFEATS BROWN 32-29

## CHARLES C. LADD ELECTED GENERAL MANAGER OF T.E.N.

Former Circulation Manager to  
Head Volume Ten of  
Publication

## GARDNER ELECTED EDITOR

President Stratton and Assistant  
Dean Lobdell Guests  
at Banquet

Charles C. Ladd '30 has been elected General Manager of the Tech Engineering News for volume X, it was announced last Wednesday evening at a banquet held by the publication at Longwood Towers, Brookline.

Ladd has engaged in many activities at Technology during the past three and a half years. He was elected to the Institute Committee as representative of his class during his freshman year, and was treasurer in his Sophomore and Junior Years. He is a member of the Quadrangle Club, was a member of the Freshman Rules Committee last year, and also served on the freshman and Sophomore dance committees. He has been active in the Business Department of T. E. N. since his freshman year, and was Circulation Manager of the publication last year. He is a graduate of the Bar Harbor High School, at Bar Harbor, Maine, and entered the Institute from Chauncy Hall, where he was President of Student Government in his Senior year.

Howard S. Gardner '30 is the new Editor of the paper. He is a graduate of the East Orange High School, at East Orange N. J., where he was active on the school newspaper and in the debating society. He is known at the Institute as a former president of the Quadrangle Club, a member of the Institute Committee last year, and as Secretary of the Class of '30.

Charles F. Edlund '30, newly elected Business Manager, is a graduate of the Boston English High School, where he was active in track. At Technology he has distinguished himself as captain of the freshman Field Day Relay, member of the Sophomore

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## FLYING CLUB TO BUY NEW PLANE

\$10,000 to be Raised Within  
Next Few Months by  
Club Members

Within the next two months the Flying Club expects to raise \$10,000, a drive for which is now under way. The purpose of raising this money is to buy a new plane for the use of members of the Club. Several contributions have been received already and the rest is expected to be raised by March 1.

According to the plans given out by Dick C. Holihan '29, President of the Flying Club, a new Consolidated plane with a Wright Whirlwind motor will be purchased by the Club. The equipment for the plane will include three parachutes which will cost approximately \$1000. This item is included in the \$10,000 total now being sought.

During the last few months the members of the Club have been repairing and overhauling the plane now owned by the organization. There were so many delays in this work that it was finally decided to stop work until spring. Under the proposed plan however the plane will be sold to make place for the new one.

In order further to insure the safety of the student flyers the officers of the Club thought that it would be advisable to equip the new plane with parachutes. Students flying the plane will therefore be required to wear parachutes no matter whether they are skilled pilots or beginners.

## Elected New Head of Tech Engineering News



Charles C. Ladd '30

## NEW WARD MADE IN HOMBERG INFIRMARY

Facilities Increased to Provide  
Precaution Against "Flu"

"A stitch in time saves nine" is evidently the motto the Technology authorities are going to follow in controlling the "flu" epidemic at the Institute. Feeling that preparedness is the best way to combat any disease, "the powers that be" have expanded the facilities of the Infirmary to meet the prevailing conditions.

Between noon Wednesday and 6 o'clock Thursday night, an entirely new ward was created on the second floor of the Infirmary. With this new addition of twelve beds, the capacity has been increased to thirty beds, which the authorities feel may be sufficient. Not only was this ward created in record time but an office and all the comforts of home were provided so that the occupants of this ward will be as well taken care of as those in the regular ward.

Ten beds were set up Thursday afternoon and three of them were immediately occupied. Wiring was provided for floor lamps that were installed at each bedside. Lockers were provided to take care of the clothes of the patients. Lavatory facilities will be ready for use today. In short, a regular hospital ward was created in one day.

Although this new ward was necessitated by the increase in sickness, the "flu" epidemic at Technology has not as yet reached any gigantic proportions. This does not mean, however, that the precautions issued by the Medical Department to lessen the danger of an epidemic should be disregarded.

## ELECTIONS TO THETA TAU ARE ANNOUNCED

Sixteen Students Are Elected To  
Junior Honorary Society

Theta Tau, the national honorary engineering fraternity, elected its 1929 delegation of sixteen Juniors at the meeting held in the Faculty Reading Room on Thursday. Election to the fraternity is based on the man's engineering ability, and, in addition, his personality and attitude toward his fellow students. Those members of the class of 1930 who were elected are:

Arthur S. Allen, John F. Bennett, Edmund G. Blake, Hermann S. D. Botzow, Edgar M. Hawkins, Claude F. Horton, D. Tullis Houston, Roy W. Ide, Charles C. Ladd, Ormand M. Lissak, William W. McDowell, Theodore A. Richl, John A. Simmons, Hugh Wallace, David Q. Wells, Joseph T. Wight.

## EARTH PRESSURE TESTS ARE TO BE CONDUCTED HERE

Experiments Made to Determine  
Proper Construction of  
Retaining Walls

## TERZAGHI IS IN CHARGE

Approximately 60 Cubic Feet of  
Earth Will be Shipped  
to Technology

Experiments will be made at the Institute in order to determine the proper design for the retaining wall on the new Fifteen Mile Dam project. This dam which is to be located between Vermont and New Hampshire across the Connecticut River, will have a retaining wall of a height of 150 feet, which, as far as is known, is the largest wall of its kind in the world.

This project is being constructed by the New England Power Company, and tests will be made by the Institute. Professor Charles Terzaghi, professor of Foundation Engineering at Technology has been placed in charge of the experimental work. He will be assisted by the Civil and Mechanical Engineering Departments. The Civil Engineering Department will make the plans for the experiments and the mechanical equipment will be taken care of by the Mechanical Engineering Department. The latter department will have charge of the scales for measuring components of earth pressure, and the different fixtures for the test bin.

The plans for the wall and dam foundations have to be approved by Professor Terzaghi, acting for the state of New Hampshire and Professor Harold K. Barrows, acting for the Institute and for the state of Vermont.

About 40 million dollars will be spent on the project which is known as the Fifteen Mile Falls Development. The dam will be across the Connecticut River between New Hampshire and Vermont. The retaining wall will cost approximately one million dollars.

When discussing the retaining wall project, all parties involved agreed

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## BOIT PRIZES TO BE GIVEN IN FEBRUARY

Awarded for Excellence of Work  
in English Composition

Awards of the Robert A. Boit Prizes in English will be made at the beginning of the second term of the present school year. These prizes are awarded semi-annually for work in E-21 and E-22. They were established in 1922 by the will of Robert A. Boit "to stimulate interest in the best use of the English language." The prizes, which consists of a cash award of twenty-five dollars each, are given for excellence of work in English composition in the regular English course and are generally three to five in number.

Due to the fact that the written work in E-21 has not yet been completed, the award of the prizes for the first term will not be made until February. A committee from the English Department will select the prize-winning compositions.

## MEN FROM BROWN AT MEETING OF T.C.A.

Two representatives of Brown University Christian Association attended the monthly Cabinet Meeting of the Technology Christian Association which was held in the Grill Room, Walker Memorial, at 6 o'clock on Tuesday. They were Arthur Holt '31, of the Senior Cabinet, and Walter Jackson '32, of the Freshman Cabinet.

## Brown Threatens Several Times in Hard Fought Game

## Beaver Quintets Battle Crimson

Varsity Rests After Brown Game  
—May Have Light Workout  
This Evening

Harvard University is next on the Cardinal and Gray five's basketball schedule, as these teams meet tomorrow night at 7:00 o'clock in the Hangar gym. This will probably be the crucial game of the season since the Engineers will have their best chance in years to hand the Crimson a drubbing.

Technology's yearlings will also meet the Harvard freshman and they hope to come out of the contest with a victory. In all of the preceeding games the scores have been close, and in tomorrow's game the yearlings hope to reverse the procedure and come out of the game with a victory. In all of the previous contests this season the freshman have never lost by more than three baskets.

## Varsity Takes Rest

No workout was held yesterday for the varsity as Coach McCarthy wanted his men to rest up after the Brown game. Tonight the teams may practice shooting baskets, but it is not likely that they will have a very hard workout.

Both the Harvard and Technology fives appear to be pretty evenly matched and it is practically impossible to make any predictions as to the final outcome of the game. However, the Engineers are going to do their best to win and it is very likely that the game will be a close contest.

Tom Upton, the Crimson center,

(Continued on Page 3)

## DR. BOOS ADDRESSES CHEMICAL SOCIETY

Noted Toxicologist Speaks of  
Experiences With Poisons

Dr. William Boos, noted physician and toxicologist, addressed the Chemical Society on "Poisons and Their Effect on the Human System" in the Faculty Dining Room of Walker Memorial Wednesday evening.

Dr. Boos told of many of the cases in which he had been called in as an expert on poisons. He cited several in which the use of potassium cyanide, and the use or abuse of hydrocyanic acid had figured. He explained the action of these and numerous other toxins on the body and told how symptoms of such poisoning might be recognized and death, as a result might be prevented. In connection with this last topic Dr. Boos mentioned several detective stories and plays in which the intended victim of poison is saved at the last moment by the use of a totally impossible antidote.

After Dr. Boos' talk a copy of "Elements of Industrial Chemistry" by Allen Rogers was raffled off and was won by Daniel A. Cook '31. Many members of the society remained to ask Dr. Boos questions on his specialty.

## LECTURE ON ART TO BE GIVEN TONIGHT

"The 15th Century in Germany" will be the title of the third lecture in the series of lectures on "The History of Prints and Drawings as Illustrated in American Collections" being given by Professor Paul J. Sachs of Harvard University. The lecture will be given in Huntington Hall, tonight. These lectures are presented under the auspices of Lowell Institute and are open to the public. Tickets may be secured by applying to the Curator of Lowell Institute.

## BRUINS LEAD ONLY ONCE DURING GAME

Brig Allen is High Point Man  
With Seven Baskets and  
One Free Throw

Winning their fifth straight victory, the Cardinal and Gray Basketball team defeated Brown University 32-29 in a close and hard fought game at Providence, Wednesday night. The Engineers led throughout most of the game; although the Bruins secured a lead for a few minutes during the second half.

At the end of the first half Technology's quintet was ahead by a 22 to 15 score. Early in the second half Brown started a rally and led by Smith, their left forward, who scored four baskets during this attack, the Bruins soon made up for the Engineer's early lead.

## Engineers Regain Lead

For a few minutes the score stood 24-23 in favor of the Engineers and Brown scored a field goal making the total 25-24. Both teams fought desperately and neither of them was able to score. On a foul shot the Engineers tied the score, and again there was a deadlock. This lasted until a double foul was called, the Brown man missing his shot while Brockleman made his. This made the score 26-25 in favor of the Cardinal and Gray.

After breaking the deadlock, the Engineers never lost their lead and they soon added a several basket margin. With about two minutes left and the Engineers having only a short margin Captain Brockleman was taken out of the game.

## Beavers Hold Bruins

With Brockleman out of the game, the Cardinal and Gray's defense was

(Continued on Page 4)

## CLUBS ENTERTAIN AT LEXINGTON TONIGHT

Feature Act Will be Xylophone  
Solo by Gardner Harvey

Members of the Lexington Teachers' Club will be entertained tonight by a concert given by the Combined Musical Clubs. The affair is to be held in the High School Auditorium at Lexington. Transportation will be provided by several buses, which will be in front of Walker at 6:45 o'clock and will leave promptly at 7 o'clock.

The feature of the concert is a specialty act, a xylophone solo by Gardner Harvey '32. The program is as follows:

- (a) March—Thunder and Blazes  
Fusik
- (b) Four Indian Love Lyrics  
Woodforde-Finden  
Instrumental Club
- (a) Rise, Sleep No More  
Stewart
- (b) Suabian Folk Song  
Brahms  
Glee Club
- 3 Popular Medleys  
Banjo Club
- 4 Specialty Act  
James A. Yates G.  
Vocal Solo
- 5 (a) Selections from Martha  
Flotow
- (b) Haunting Humoreske  
Dvorak  
Instrumental Club
- 6 (a) John Peel  
Andrews
- (b) Promis' Land  
Burleigh  
Glee Club
- 7 Popular Medleys  
Banjo Club
- 8 Specialty Act  
Xylophone Solo  
Gardner Harvey '32
- 9 Popular Selections  
Tecthonians
- 10 (a) Take Me Back To Tech  
Words by Littlefield '95
- (b) Stein Song  
Bullard '87  
Glee Club

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### "FRUITAGE"

IN an issue of the "Cornell Sun" there appear four anonymous evaluations by Seniors who graduated last June of the respective benefits each derived from his years as an undergraduate. We reprint one of these as typical of the present critical attitude held by many new graduates throughout the country. While such a trend is no doubt restricted largely to the arts colleges, it must be admitted that similar pessimistic statements are often heard on our own campus. There is obviously error some place in the modern American system to cause this disillusionment; why let it exist?

"Near the end of four years at Cornell, it is no easier to put a value on one's sojourn here than it is to predict where you will be five years from today. The more you reflect the harder it is to put your finger on actual advance knowledge, in culture, in understanding that came from a particular course, from a particular form of labor, from contact with a particular person. The critics of the Arts College will no doubt snap up that statement for fresh ammunition, but those who want something concrete to show for their expenditure of time, energy, and money should be in a technical school.

"In spite of disappointment and disillusion, which have come often enough, there persists a feeling that I have not been entirely wasting my time, that these four years belong definitely on the credit side of the ledger. . . .

"Beyond that feeling of vague satisfaction, I have reached some definite conclusion about a few details of undergraduate life. I am convinced:

"First, that three-quarters of the time spent in the class room, particularly in the lecture room, might much better be devoted to reading—but probably would not be.

"Second, that an outside activity, such as writing editorials for the 'Sun', takes just about three times as much time and energy as it is worth, if one is even slightly interested in the academic side of university life.

"Third, that I have gained much that is valuable, if intangible, from a few members of the faculty (more outside than inside the lecture room), and I suspect I have missed far more in knowing so few of them.

"Fourth, that whatever education, culture, or whatever you choose to call it, I have acquired has been acquired in spite of that time-honored institution, the fraternity."

### RETURNING SANITY

BACK in the days of the Great War, those meat-saving, sugar-conserving, thrifty, thrilling times which all of us recall so vividly, there worked in a small mid-Western town an enterprising country newspaper editor. This earnest man was too busy with the week's issue to accede to the order of the local Council of Defense (self-styled, and in reality, sugar profiteers) that he immediately display a big flag in his window to demonstrate his patriotism.

Seeing no action on the editor's part, the committee called on him, "took him for a ride" in the gangsters' sense of the word, and then held a great demonstration in the public square. As the feature of this program, the editor was forced to kneel and kiss the Stars and Stripes.

Such was public opinion at the time that the townspeople acclaimed the committee's wholly unnecessary action. It was the spirit of the day—emotional patriotism shouted from the rooftops. It was this sort of biased public thought which caused the banishment of the worthy Deutsches Haus at Columbia, as reported from "The New Student" elsewhere on this page. That the broadening influence of German thought should be lost to this country by such a narrow-minded action was pitiable. We realize that anti-German feeling ran very strong at that time, but we are very thankful that the country has regained its reason.

## The Open Forum

To the Editor of THE TECH:

Dear Sir:

So pertinent and complimentary is this letter which I received from Mr. Staub that I am wondering if you might not like to reproduce the same in your columns.

Sincerely yours,

Hale Sutherland.

January 5, 1929.

My dear Professor Sutherland:

I have been so engrossed in the work of our campaign for the endowment fund that I have neglected to write you with reference to the splendid service which Mr. Biehle is rendering at Robert College this year as the representative of the Technology Christian Association. President Gates has referred to Mr. Biehle's work in a number of his letters. No doubt he has written to you personally too.

It means a great deal to Robert College to have this contact with the Massachusetts Institute of Technology particularly just at this time when the Turks are really beginning to appreciate the value of our Engineering School at Robert College. You can easily imagine what an impression the Engineering students receive when they come in contact with Mr. Biehle as the personal representative of such a well known institution in America as the Massachusetts Institute of Technology. This is in line with our policy of assuring the Turkish people that we are sharing with them the best that we have in America in the way of educational influences.

The presence of Mrs. Lindbergh as a teacher of Chemistry at the Constantinople Woman's College this year has made a similar impression. The lecture course on Turkish Art and Archeology given by Dr. Riefstahl of the New York University each year during the second semester at Robert College is making the same kind of an impression.

President Gates has just written me about the possible continuance of Mr. Biehle's service at Robert College. I hope that the T. C. A. will desire to continue his support. If Mr. Biehle himself cannot remain, I hope the T. C. A. will be willing to secure another man as good as Mr. Biehle.

Wishing you a happy New Year, I am,

Very sincerely yours,

(Signed) Albert W. Staub,  
American Director.

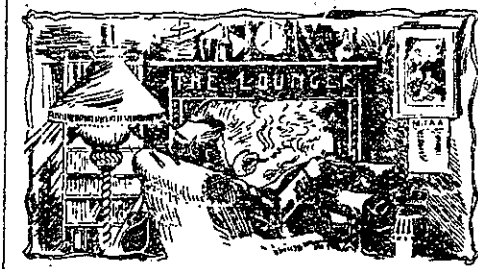
## THE EDITORIAL SPECULUM

### TIME

Since the first written records, Time has laughed at the antics of men. Men have had all sorts of habitations, from caves to palaces but always they have been subject to the whims and fancies of Time. They have painfully built great structures, and Time has torn them down. Caesar ruled a great empire and Time has obliterated it. Nations have been torn asunder by war, Time has joined them as one.

Today men are probably more governed by Time than ever before. There are watches and clocks on every side warning of the fleeting minutes. And Time goes on as ruthless and carefree as ever. The finest machine is not for long the finest, for Time takes a hand, and antiquates

## Tech in Turkey Representative is Praised for Work at Robert College



Just for old time's sake the Lounge composed an extremely touching obituary on the subject of the recent proposed demise of Dave Grant, ex-Teacher and piano puncher extraordinary. But out of sympathy for the girl, he threw the masterful scrap into the waste-basket. Best wishes from the old boy, Dave.

Who's this Tech prof with the high school manners and methods, who makes his pupils stand up when they recite? No names mentioned, but the Lounge understands that maybe it's probably Doten. It's bad enough to have to say, "Very sorry, sir, but I haven't bought a book yet," sitting down. Imagine having to bluff standing up after all these years!

U. Joe Smith is the Lounge's idea of the height of high-hat. Either the Lounge is too anonymous for him to see, or he's sore at something, for by actual count, out of 6 Hello's by the Lounge, he got approximately 0 replies.

Willie Jackson disclaims all credit for being the Stonewall Jackson implicated in the recent baseball episode. Willie states, "I may have done other things, but this is several other people." Ya gotta watch these little fellas.

## DEUTSCHES HAUS IS NO LONGER BARRED

### Headquarters of German Study at Columbia Re-established

Gradually, but surely, the minds of America are demobilizing. Ten years after the cessation of hostilities with Germany, President Nicholas Murray Butler is able to announce the re-establishment at Columbia University of Deutsches Haus, a center of German culture that was discontinued during the war.

"A Deutsches Haus, to be the headquarters of the advanced study of the German language and literature. German history and German institutions were established at Columbia University in 1910 by the gift of Edward Dean Adams," President Butler's announcement explained. About the Haus a vigorous and scholarly activity was built up under the direction of the late Professor Rudolf Tombo, Jr.

"Important German scholars were brought to Columbia as exchange professors, and close academic relations were established between Columbia and the universities in German— is published elsewhere on this page.

the marvels of today into relics for tomorrow.

There is however one enduring substance which Time cannot deface nor destroy. This is the ideals of men. Ideals are born of Education, and the higher and deeper the education, the higher and deeper the ideals. Ideas may be relegated to the ranks of the unnecessary and the out-of-use but not ideals. For, being ideals, they are always just a step ahead of both Time and circumstance.

## Judson T. Biehle '27 Will be Offered Opportunity to Stay Another Year

Three letters have been received by Professor Hale Sutherland '10, in praise of the work that Judson T. Biehle '27 has been accomplishing as instructor at Robert College, Constantinople. Mr. Biehle is representing Technology in Turkey.

As a result of the three letters, the Executive Committee and the Cabinet of the Technology Christian Association have voted that Mr. Biehle be asked to remain another year as the Institute representative.

Dr. Caleb F. Gates, president of Robert College, has written telling of Mr. Biehle's work and requesting that he remain another year or that another man be sent to fill the vacancy. Mr. Wallace M. Ross has been instructed by the T. C. A. Cabinet to write to Dr. Gates saying that either Mr. Biehle will remain or that another man will be sent to take his place.

A friend of Professor Sutherland in the Chemistry Department at Robert College wrote as follows:

"How you picked this man Biehle is more than I know. Apply the same method again. M. I. T. couldn't have sent a better man, in my opinion, and most everybody around here would speak as strongly as I do. He is a Number 1. As he helps me in teaching elementary science to the academy boys, I have had many talks with him. The boys like him and respect him. As to what he thinks I cannot be sure, but I can guess with much hope of being right when I say it, that he likes it here and will return an enthusiast. The life, the city, the people are all much to his liking, and I find him a keen companion for expeditions into the city. Today being the first sunny day in three weeks, he has run off to Stamboul in preference to going to church. I trust that you won't censure him too severely for that. Mike Merrick and I hope to persuade him to journey into Anatolia with us next June. But to come back to more serious matters, Biehle is the kind of a fellow who can be most useful in this life out here. He is doing his work with a fine spirit. I couldn't help hearing Dr. Gates ask him to return next year, when he discussed the matter with him in the bowling alleys the other afternoon."

The other letter was from Albert W. Staub, American Director of the Near East College Association and is published elsewhere on this page.

## Free Trial "Sells" Man This Smoke

Chicago, Illinois,  
July 12, 1928

Larus & Bro. Co.,  
Richmond, Va.  
Gentlemen:

Replying to your circular letter of June 29, be informed that your sample packages were received. With them I received the pamphlet describing your product, which I was able to enjoy reading because there was not in the circular matter the usual distasteful sales talk which makes the recipient of a sample package feel obligated or uncomfortable.

I believe your practice of giving your prospect a sample and then letting him make up his own mind will gain you many more customers than will the usual modern sales practice of pushing the product down the prospect's throat. As a matter of fact, since receiving your sample and your advertising matter I smoked up the sample package and have since purchased a number of cans from neighborhood dealers, all of whom carry this tobacco in a city of this size.

I have found Edgeworth to be a satisfactory blend at a very reasonable price, and although my past acquaintance is brief, I look forward to a long membership in the Edgeworth Club.

Yours very truly,  
Jeff Corydon

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# GRAPPLERS LOSE OPENER TO TUFTS

## Engineer Basketball Team Meets Harvard In Hangar Gym Tomorrow

### Freshmen Trounce Jumbo Yearlings---Vassolotti Elected to Lead Frosh

Meeting one of the strongest wrestling teams in New England, the Cardinal and Gray lost their first match to the Jumbo quad from Medford last Wednesday night in the Hangar by the score of 26-6. Out of the eight matches, Captain DerMarderosian, and Cooper won by decisions, no falls being won by the Technology team. On the Jumbo squad Garcelon, Sundquist, Lukacs, and Hingston won straight falls, Stella, and Giles getting decisions. Hingston, unlimited, of Tufts, won the quickest fall in the time of minute 6 seconds.

First on the mat for the Varsity was Chibas, M. I. T. 115-pound man against Stella of Tufts. Chibas, having just recovered from a bad cold, was not wrestling in true form, and lost by decision. In the second match Perkins, 125 pounds, met Garcelon of Tufts in one of the fastest matches of the evening. Perkins, however, was unable to score a fall, and the Tufts man soon got the advantage, scoring a fall after 6 minutes and 10 seconds had elapsed.

**DeMarderosian Victorious**  
Cooper, 135 pounds, met the Jumbo matman, Pollis. The match started slowly, the men being cautious. Although Cooper was unable to score a fall, he had the huge time advantage of 5 minutes and 45 seconds to his credit when the match ended. In the 45-pound match which followed, Captain DerMarderosian met Thomas of Tufts, and won by a large time advantage.

#### M. I. T. Loses 155-pound Class

When the fifth match started the Jumbo squad was leading the meet by two points, with the lead wavering. Technology came within an inch of making a fall, after Tufts was given advantage at the two minute period, Pittbladdo, 155-pound M. I. T. man

threw his opponent, Sundquist, and the Tufts man was injured, but after a few minutes he was back on the mat, and scored a fall which gave the Medfordites a lead, that was never threatened.

Stone of Technology met Giles, 165 pounds in a fast match which Tufts won by a large advantage. In the 175-pound class, Easily of M. I. T. lost to Lukacs by two falls. The men sparred for the first two minutes, and Tufts was given first advantage, with which he scored a fall after 1 minute and 25 seconds.

In the last match, Gordon, met Hingston of Tufts in the unlimited class, and lost in the time of 1 minute 6 seconds, but he showed ability, and aggressiveness that is going to make him a powerful wrestler as soon as he has acquired more experience.

**Freshmen Trounce Jumbo Frosh**  
Undoubtedly the yearling team is one of the best that ever stepped on the mat for the Cardinal and Gray. They defeated the Tufts team by the large score of 28-6. After the meet the frosh elected Vassolotti to the position of captain, after he gave one of the most sterling exhibitions of wrestling that has ever been seen in a freshman meet.

### CLOSE CONTEST IS EXPECTED BY BOTH TEAMS TOMORROW

Varsity Rests After Brown Game  
—May Have Light Workout This Evening

#### HARVARD TEAM STRONG

(Continued from Page 1)

is by far Harvard's leading player and he is one of the most dangerous basket shooters in the East. He is six feet six inches tall and is an expert shot at the basket.

In their first game of the season, the Crimson handed Northeastern a 44-39 defeat in which Upton scored almost at will. Other men who featured in this game were Captain Dave O'Connell a right forward, Wenner, left forward and Rex, a left guard. All of these men are good shots and are dangerous when anywhere near the basket.

Three sophomores are regulars on the Crimson squad, Farrell and Rex, both guards, and Upton the six and one-half foot center. These men plus Glenn and O'Connell at forward will probably complete the Harvard lineup.

#### Announce Tentative line-up

Coach McCarthy will probably start the same men that he used against Brown. Bob Nelson and Brig Allen will be right and left forwards respectively while Captain Brockleman will be at center. It will be between Dave Motter and William McDowell for the position of right guard while George Lawson will be at left guard.

As yet the freshman line-up is in doubt. Rash will undoubtedly be at left guard while Rickard will jump center. Either Castleman or Ross will be at right forward. Joe Paul will be at left guard while it will be a toss up between Weller, Stockwell and Sears for right guard.

### Freshman Quintet Loses Hard Fought Contest To Brown By a 28-22 Score

#### Beaver Gymnasts Hold Exhibition

Harold Fairchild and Dave Wells Have a Number of New Series Perfected

Technology's gymnasts will hold their first performance of the season when they hold an exhibition at Sargent school of Physical Education at eight o'clock tonight. This will be the first performance of the gym team since Sports night and since then the team members have perfected a number of new series.

Captain Fairchild and Al Moore have a number of series on the horse that are nearing perfection while Knapp has also a few tricks up his sleeve. Knapp and Harold Fairchild will also climb the rope.

#### Wells on High Bar

Dave Wells will be in action on the high bar, parallels and rings. He has a number of series perfected on all of these pieces of apparatus. He has added a few new twists and swings on the high bar and has perfected the series that he put on Sports night.

Norman Dolloff has several new stunts that he has added to his series on the mat. He sprained his finger in practice about a month ago, but now he is back at work trying to make up for lost time. Bob Platt may also be seen in action on the mats, but he has been spending a large amount of his time on the high bar.

In the tightest game played this season, Brown university's yearlings noses out the freshman team 28-22 in a hard fought game played at Providence, last Wednesday. The game was close throughout as can be seen by the fact that the score stood 11-10 in favor of the Bruins at the end of the half.

Brown had the added advantage of playing on their own floor and this was one of the deciding factors in their victory. During the first part of the game the play was rather slow as neither team made many attempts at scoring.

#### Both Teams Fight Hard

Towards the end of the half the Engineers began to creep up on the Bruins and the game became interesting. The Cardinal and Gray yearlings fought hard to overcome the lead established by Brown, but their rally fell short by one point as the score at the end of the half stood 11-10 in favor of Brown.

M.I.T. '32	G.	F.	P.
Ross, rf.	2	1	2
Castleman, rf.	1	3	1
Rash, lf.	4	0	0
Rickard, c.	0	1	2
Weller, rg.	0	0	3
Sears, rg.	0	0	0
Stockwell, rg.	0	0	0
Paul, lg.	1	1	3
TOTALS	8	6	11

BROWN '32	G.	F.	P.
Harris, rf.	1	4	2
Freeman, lf.	2	1	1
Goldstein, lf.	0	0	1
Sawyer, c.	0	0	1
Tillinghast, rg.	0	0	1
Mathias, rg.	1	0	0
Jensen, lg.	1	0	0
Battistini, lg.	0	0	1
TOTALS	11	6	8

Referee: Merritt. Score M.I.T. 22, Brown 28. Time: Two 20 minute periods.

## THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY Cambridge

**THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY** offers Courses in Engineering and Science, each of four years' duration, leading to the degree of Bachelor of Science in Aeronautical Engineering, Architectural Engineering, Biology and Public Health, Building Construction, Chemical Engineering, Chemical Engineering Practice, Chemistry, Civil Engineering, Electrical Engineering, Electrochemical Engineering, Engineering Administration, General Science, General Engineering, Geology, Industrial Biology, Mathematics, Mechanical Engineering, Metallurgy, Military Engineering, Mining Engineering, Naval Architecture and Marine Engineering, Physics, Sanitary and Municipal Engineering.

The course in Architecture is of five year's duration, and leads to the degree of Bachelor in Architecture. A five year Co-operative Course in Electrical Engineering leading to the degree of Bachelor of Science and Master of Science is also offered.

Graduate Courses leading to the degree of Master of Science. Master in Architecture, Doctor of Philosophy, Doctor of Science and Doctor of Public Health are offered. The Courses leading to the degree of Master of Science include Co-operative Courses in Chemical Engineering Practice and Fuel and Gas Engineering.

The better high schools and other preparatory schools in the United States offer adequate preparation for the required entrance examinations given by the College Entrance Examination Board in June, or by the Institute in September.

Graduates of colleges or of scientific schools of collegiate grade, and in general all applicants presenting satisfactory certificates showing work done at another college corresponding to at least one year's work at the Institute, are admitted, without examination, to such advanced standing as is warranted by their previous training.

The Summer Session extending from June to September includes most of the subjects given during the academic year and in addition special courses for teachers.

Any of the following publications will be sent free upon request:

Catalogue for the Academic Year (which includes the admission requirements).

Summer Session Catalogue.

Graduate Study and Research.

Correspondence should be addressed to  
The Massachusetts Institute of Technology

EVERETT MORSS '85  
President

HENRY A. MORSS '93  
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## OFFICIAL BULLETIN

**SOCIETY OF ARTS**  
Popular Experimental Science Lecture by:  
**Professor Gordon B. Wilkes**  
Department of Physics  
Sunday, January 13, at 4:00 P.M.  
**Subject: Artificial Cold and its Applications**

## WHITING CONCERT

The second Whiting Concert of the season will be held Tuesday, January 15 at 8:15 P.M. in Room 10-250.

## CALENDAR

**Friday, January 11**  
2:30—Society of Art's Popular Science Lecture, Room 10-250.  
4:00—Popular Science Lecture, Room 10-250.  
6:00—M. I. T. Italian Club Dinner Meeting, North Hall.  
**Saturday, January 12**  
2:30—Popular Science Lecture, Room 10-250.  
4:00—Society of Art's Popular Science Lecture, Room 10-250.  
7:00—Varsity and Freshman Basketball, Hangar Gym.  
**Sunday, January 13**  
4:00—Popular Science Lecture, Room 10-250.  
**Wednesday, January 16**  
7:00—Mathematical Seminar, Faculty Dining Room.  
8:00—Alpha Chi Sigma Smoker, Grill Room.  
**Thursday, January 17**  
6:00—Boston Theta Chi Club, Dinner Meeting, Faculty Dining Room.  
**Tuesday, January 15**  
8:15—Whiting Concert, Room 10-250.

## Notices and Announcements

## SIGNAL UNIT REQUIREMENTS

The 1929 catalogue will contain detail of the changes which are listed below in general terms:

Wire Communication 6.281 and Radio Communication 6.282 will no longer be a requirement of the Signal Unit Course. These two courses have been replaced as follows:

Course VI. Professional electives.  
Course VI-A. Regular fourth year course.

Course VI-C. Regular fourth year course.

Course VIII. Electives along physical or communication lines, which will meet War Department requirements.

Course IX-B. Electrical Communication 6.301 and 6.302.

Course XIV. Regular fourth year course.

Anyone desiring further information about these changes will please see Capt. George S. Byster, Signal Corps, Room 3-003.

## SENIOR PICTURES

Proofs of all Senior pictures which have not been returned as yet should be returned to the Technique Office on the third floor of Walker Memorial immediately. Proofs of pictures taken before Christmas vacation cannot be had any longer.

## COURSE XV COUNCIL HOLDS DISCUSSION

**Engineering Administration is Discussed at Meeting January 10**

President Samuel W. Stratton called a meeting of the Advisory Committee on Course XV on January 10, at which the topic of discussion was the Course in Engineering Administration. The discussion was held at an informal luncheon at the Union Club in Boston, and was attended by a large number of men interested in the administration of engineering concerns.

Members of the Faculty of Course XV led the discussion, which was divided into four sections dealing with the value of a technical education to a business man, the graduate work in Course XV, possibilities of a co-operative course in business administration, and presentation of the course of studies in Course XV.

Professor Erwin H. Schell '12, Professors Charles H. Porter, Karl D. Fernstrom '10, and Professor Fairfield E. Raymond, Jr., led the discussion. Many graduates of the course were present and six members of the Corporation. Dr. Davis R. Dewey in charge of the Course in Engineering Administration, was unable to come due to illness.

The Boston group of the Advisory Committee included the following:

A. Farwell Bemis '93, President, Bemis Industries, Inc.  
Carle M. Bigelow, President, Bigelow, Kent, Willard & Company.  
Frederick S. Blackall '22, General Manager, The Taft-Pierce Manufacturing Co., Woonsocket, R. I.  
Percy Bugbee '20, Assistant Managing Director, National Fire Protection

## CREW

All freshmen substituting crew for P. T. 1. must check their attendance records with Mr. McCarthy and make up all cuts before January 19.

To substitute crew for P. T. 2 a clear record in P. T. 1. is required. Men wishing to substitute crew for P. T. 2 may do so by signing for it in Mr. McCarthy's office any morning before 12 o'clock from January 4 to January 17.

## REGISTRATION MATERIAL

Students who have not obtained their registration material should get it immediately from the Information Office.

Registration material must be returned to Room 3-106 not later than 1 o'clock, Friday, January 11 to avoid the fine of \$5.00.

## TECH SHOW

Any person who can play the piano and who would like the position of pianist of the Tech Show is requested to see the Music Manager in the Show Office, Walker Memorial, any afternoon after 5 o'clock.

## TECH SHOW

All those who have been chosen for the chorus and who have not been measured for costumes are requested to come to the Show Office this afternoon at 5 o'clock and be measured.

Victor M. Cutter, President, United Fruit Company.  
William H. Danforth, President, Ralston Purina Mills, Inc., St. Louis, Mo.

William Endicott, Kidder, Peabody Company.  
Robert C. Erb '17, Assistant Superintendent, J. F. McElwain Co., Nashua, N. H.

Benjamin A. Franklin, Vice-President, Strathmore Paper Company, Milledale, Mass.

Francis R. Hart '89, Vice-Chairman, Old Colony Trust Company.

William P. Lowell, Jr., President, William P. Lowell, Inc., Newburyport, Mass.

Edwin S. Webster '88, President, Stone & Webster, Inc.

Charles F. Weed, Vice-President, First National Bank.

Salmon W. Wilder '91, President, Merrimac Chemical Company.

The visiting committee consisted of the following:

Francis W. Fabyan '93, Boston, Massachusetts.

Frank A. Vanderlip, New York City.

John R. Macomber, Boston, Massachusetts.

William Z. Ripley '90, Cambridge, Massachusetts.

Roger W. Babson '98, Wellesley, Massachusetts.

## ALUMNUS' BETROTHAL ANNOUNCEMENT MADE

At a recent dinner in honor of the couple, Mr. Frederick W. McConnell of Brookline and the Hotel Touraine announced the engagement of his daughter, Miss Dorothy West McConnell to David Grant '24. Miss McConnell attended the Misses Allen School for Girls, in West Newton, and graduated with the class of 1925 from Howard Seminary, West Bridge-water, Mass.

## E. E. DEPT HOST TO ADVISORY COUNCIL

President's Committee Meets to Discuss Electrical Course January 18th

Prominent men in the Electrical Industries will meet here on January 18th with President Samuel W. Stratton and representatives of the Faculty in the Electrical Engineering Department to discuss the work of the Electrical Engineering Department. This Advisory Council is one which President Stratton chooses each year and is composed of graduates of the Institute and of other schools, who have had some success in industrial or scientific work.

The following men are expected to comprise the advisory Committee when they meet here a week from this Saturday:

President, National Electric Light Association, Preston S. Arkwright, President Georgia Power Co., Atlanta, Ga.

President, American Electric Railway Association, James P. Barnes, President Louisville Railway Co., Louisville, Ky.

President, American Institute of Electrical Engineers, Rudolph F. Schuchardt, Commonwealth Edison Co., Chicago, Illinois.

Henry G. Bradlee, '91, Senior Vice President, Stone & Webster Inc. Boston.

C. C. Chesney, Vice President and member of Manufacturing Committee, General Electric Company, Schenectady, N. Y.

Leslie Dana, '94, President Charter Oak Stove and Range Co., St. Louis, Mo.

Albert G. Davis, '93, Vice President in Charge of Patents, General Electric Company, New York City.

Charles L. Edgar, 70 State Street, Boston, President, Edison Electric Illuminating Company.

Samuel Ferguson, President Hartford Electric Light and Power Company, Hartford, Connecticut.

Harry U. Hart, '91, General Manager and Chief Engineer, Canadian Westinghouse Company, Hamilton, Ontario.

Charles W. Kellogg, '02 President Engineers' Public Service Company, New York City.

W. S. Rugg, Vice President in Charge of Engineering, Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa.

George M. Yorke, '93, Vice President Western Union Telegraph Company, New York.

The Visiting Committee which acts on the findings of the Advisory Committee consists of the following members of the Corporation:

J. E. Aldred of New York City, William H. Bovey, '94 Washburn Mills, Minneapolis, Minnesota, Frank B. Jewett, '03 Bell Telephone Laboratories, New York City.

## EARTH TESTS WILL BE CONDUCTED HERE

Terzaghi To Be In Charge Of Experiments For Dam

(Continued from Page 1)

that a project of that magnitude required very careful experimental investigation in order to arrive at a design that would be both safe and economical. One of the most important questions to be answered by experimentation concerned the effect of saturation of back fill of the wall on the intensity of the earth pressure.

Very little is known concerning the above mentioned effect and it is expected that those tests which will be conducted at the Institution will furnish conclusive information to be used not only in connection with this project but also with retaining walls that may be built by the New England Power Company in the future.

In order to reach the desired conclusions, it was decided that extensive investigation be made and Technology was selected to perform the tests. Professor Terzaghi was entrusted with the work of preparing the layout, making the general design of all the apparatus involved, and conducting the tests. A report is to be made to the New England Power Company on completion of the work.

## LECTURE TO BE HELD ON REFRIGERATION

"Artificial Cold and its Applications" will be the subject of the second of the Society of Arts Popular Science lectures which will be presented today. Professor Gordon B. Wilkes '11, of the Department of Industrial Physics of the Institute will be the speaker. Today's lecture at four o'clock and the one Saturday at two-thirty will be open to students of high and preparatory schools, while the general public is invited to be present Sunday afternoon at four. The lectures will be given in Room 10-250.

## Varsity Quintet Defeats Brown in Hard Fought Game

Brig Allen is High Point Man With Seven Baskets and One Free Throw

(Continued from Page 1)

weakened considerably, but the team fought desperately and succeeded in keeping the Bruins from doing any scoring. With the final whistle the score stood 32-29 in favor of the Engineers.

Brig Allen led the scoring for the Beavers, getting seven field goals and one free throw for a total of fifteen counters. A number of these shots were the result of some excellent teamwork. On one of these shots Allen received the tap from Brockleman then dribbled under the basket and scored the point for the fastest piece of scoring in the game.

Brockleman Plays a Good Game

Captain Brockleman played an exceptionally good defensive game. There was hardly a man that got by him throughout the entire game and he was instrumental in breaking up a large number of the Brown attacks. During the first half he played center and succeeded in getting the tap a majority of the time, but during the second half he shifted to right guard and let McDowell do the jumping. McDowell was able to outjump Barnett, the Brown center while Brockleman devoted most of his time to watching Smith, who scored a majority of the goals. After Brockleman started covering him, the Bruin forward did very little scoring.

Both teams were rather poor at shooting and missed far too many shots. The Engineers were particularly poor on some occasions as they were under the basket for about a minute, yet they failed to score. However, Brown did not fare so well either as they also missed numerous opportunities at scoring.

M.I.T.	G.	F.	P.
Nelson, rf.	2	1	2
Allen, lf.	1	1	2
Brockleman, c.	1	2	4
Motter, c.	0	0	1
McDowell, rg.	2	0	1
Lawson, lg.	2	0	1
<b>TOTALS</b>	<b>14</b>	<b>4</b>	<b>11</b>
BROWN	G.	F.	P.
Snyder, rf.	2	0	1
Hamelright	0	0	0
Smith, lf.	5	1	0
Barnett, c.	3	3	2
Marschner, c.	0	0	0
Heller, rg.	1	2	1
Gogarty, lg.	0	1	2
<b>TOTALS</b>	<b>11</b>	<b>7</b>	<b>6</b>

Referee: Souders. Score M.I.T. 32, Brown 29. Time: Two 20 minute periods.

## T. E. N. BANQUET HELD AT LONGWOOD TOWERS

Charles C. Ladd Elected General Manager For Next Year

(Continued from Page 1)

Relay, and as a member of 'Scroll' and the Quadrangle Club.

Other election to the Managing Board were:

Nelson B. Haskell '31 Advertising Manager, Richard T. Kropf '31 Circulation Manager, Christian E. Grosser '31 Associate Editor, Irvin R. Mitchell '31 Managing Editor, Charles R. Wood '31 Publicity Editor, Anthony R. Savina '30 Treasurer.

The guests present were President Samuel W. Stratton, Assistant Dean H. E. Lobdell '17, Isaac W. Litchfield '85, Orville B. Denison '11, Professor S. C. Prescott '94, Eric Hodgins '22, and Mr. MacGregor Jenkins, former publisher of the Atlantic Monthly, who was the principal speaker of the evening.

The program opened with a few words by William Baumrucker Jr. '29, the retiring General Manager, who then called on Mr. Litchfield, who gave an interesting description of the work of the government in placing scientifically educated men in suitable executive positions during the World War.

President Stratton then spoke, emphasizing the importance of the business training the students receive through activities at the Institute. Mr. Denison next led the gathering in some of the rollicking songs for which he is noted. This being the first opportunity that many of the men have had to hear him since his recent return to Boston.

Mr. Jenkins, the next speaker, outlined briefly his career as a publisher, telling of many interesting experiences encountered in his connection with the Atlantic Monthly, and closed by stressing the importance of circulation, advertising, and readers' interest to a publication. The banquet ended, as do all such affairs at Technology, with the singing of the Stein Song.

## RELAY RACES WILL BE A FEATURE OF SATURDAY'S MEET

Interesting Contests Expected in Last Event on First Term's Schedule

## RELAY CANDIDATES ENTER

The 600-yard run will be one of the best of the afternoon, and will be a good indicator for the relay material. Captain-elect Jack Hallahan will start a favorite and a low mark man. Others who are expected to do much are Gonzalez, Goodhand, and Baltzer. Hallahan did fine work in the last meet when he won the four-lap race, which is practically six-hundred yards.

The 1000-yard and mile and a quarter races will give the cross country and distance men a chance to keep in the game. Thorsen and Mitchell are entered for both races, though it is doubtful that they will try more than one event of this sort. Mitchell showed signs of a great comeback in the last meet, and his performance tomorrow will be of interest, as he will be a leading candidate for the mile in the spring.

## Relay Races To Be Held

In addition to the above races, there will be a 45-yard low hurdle race, a high jump, a shot put, and two relay races. These relay races will be of greatest interest, as they will serve to throw a better light on the relay material.

The relay candidates will be divided as equally as possible into two teams of four men each. These men will be picked from the list of entries immediately before the meet, the best eight men in the opinion of the coach, and the usual mile relay will be run with four men on each team. The same thing will be done with the freshman squad. These races are sure to be good because of their timely significance, and should wind up a perfect afternoon in the right way.

## Sports Desk

At least the dorms have some real school spirit left in them. Nine of the inmates of that famous institution led by Glenn Andrews piled into his trusty Ford and braved the trip down to Providence in order to see the Engineers defeat the Bruins 32-29.

According to the reports of those that took the trip, they only had one blowout on the way, broke one spring, and the total live load was about one ton considering the fact that Louis Stander and Soc Harmon, two dorm heavyweights, were along on the trip. This bunch plus about five others who came down later constituted the dorm cheering section.

However, this was more than Brown had to offer as their cheering section was nowhere in sight. In fact, "We Are Happy" was the only regular yell that was heard around the place. Although this was an unofficial gathering of dorm men, they did not give their most famous cheer.

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